I. SPA POOL PLAN CHECK SHEET

Title 22 of the California Code of Regulations requires that any person constructing, reconstructing, or altering a swimming pool, auxiliary structure or equipment submit legible plans and specifications to the enforcing agent, San Luis Obispo County Environmental Health for review and written approval prior to commencing work or issuance of necessary building permits [Section 65505] THIS CHECKLIST IS DESIGNED TO ASSIST THE APPLICANT IN THE PREPARATION OF SATISFACTORY PLANS. As it does not become part of the completed plans, please ensure all required information appears on the plans.

Sec. 3103B.1 Title 24, CCR

a. Spa Pool. A spa pool is a pool, not used under medical supervision, that incorporates a water jet system, an aeration system, or a combination of the two systems, and which may also utilize artificially heated water. The surface water area of a spa pool shall not exceed 250 square feet, and the water depth shall not exceed 4 ft.

The following must be submitted to Environmental Health in **duplicate**. One set will be returned with a list of corrections or stamped as approved.

- 1. Drawings to scale (spa: 1" = 1 foot) of the spa in both overhead plan view and longitudinal section.
- 2. Drawings to scale of the equipment room, equipment, plumbing and electrical with each item identified and piping sizes specified.
- 3. Drawings to scale of the deck area including drainage, fencing and gates, hose bibb and drinking fountain locations.
- 4. Drawings to scale of restrooms, shower and locker areas when appropriate.

The following must also be submitted at the time of application for each spa:

- 1. Specification sheets for all spa equipment including pumps (with pump curves), filters, skimmers, chlorinators, heaters, flow meters, separation tanks, lights, and hand rails.
- 2. The following list of items [pages 2-12] must be completed, signed and dated by the pool contractor/designer. *All spa and equipment data must be shown on plans submitted.*

IDENTIFICATION:

Name of Facility Where Spa to be Constructed:	Location/Address	City	
Owner	Address	Phone	
Contractor/Designer	Address	Phone	
Person to Contact Regardin	ng Plans	Phone	And the state of t

SPA DATA - Part I of II

ANSWER THE FOLLOWING QUESTIONS WHERE APPLICABLE AND CHECK THE APPROPRIATE BOX(s):

1. SPA DIMENSIONS:	12. HYDROSTATIC RELIEF VALVE/ASSEMBLY
Shape	Yes No
Length	Depth to groundwater
Width	13. CHLORINATION OR DISINFECTION UNIT
 Diameter 	(Provide spec sneet)
Surface Area	sq.ft. • Type of unit
 Maximum Depth 	Manufacturer
 Average Depth 	 Model #
2. SPA SHELL MATERIAL:	14.SKIMMER/GUTTER SYSTEM: (Provide spec
3. SPA CAPACITY:	sheet)
4. SPA COLOR:	# of skimmers
5. VOLUME (GALS.):	Manufacturer
6. RETURN INLETS: (Provide sp	ec sheet) • Model
• # of inlets	Gutter system with surge tank at
# of jet returns	gallons
Size of inlets	15. FLOWMETER: (Provide spec sheet)
Inlets adjustable	
7. RECIRCULATION PUMP: (Pro	ovide spec sheet) • Manufacturer
	16. RANGE OF PRESSURE GAUGE:
Model # Identify a second se	
Horsepower	Influent Effluent 17. VACUUM GAUGE:
• # of pumps	
Ft. of head in system	
 GPM @ system head loss _ 	Riser height of stair
Turnover rate	
 Hair & Lint catcher Yes 	
JET PUMP (Provide spec sheet)	
 Manufacturer 	Clearance between ladder and stair riser
Model #	in.
 Horsepower 	19. DEPTH MARKERS:
# of pumps	# of maximum depth markers
9. SUCTION LINE SIZE:	(minimum of 2)
10. OUTLET BOTTOM DRAIN: (Pr	rovide spec sheet) • vertical wall of spa
 Safety type dual main drains 	• on deck surface
 Diameter or open area of ea 	
sq. in. = s	sq. ft. • "Ft." abbreviation after each
Size of piping:	
GPM (from pump curve) per	
GPM if 2 grates) ÷ 7.	
cfm ÷ 60 sec/min =	3-11-11-11-11-11-11-11-11-11-11-11-11-11
opening in sq. ft. (sq. in ÷14	• • • • • • • • • • • • • • • • • • • •
fps. (Must be less	3 that 2 th 000)
11. FILTER: (Provide spec sheet)	'
• Type	Deck drains to
Manufacturer	21. FENCING:
 Model # 	• Indoor spa with walls/door
 Area in sq. it. 	
# of filters	Does fencing separately enclose spa?
 Total Area 	

SPA DATA - Part 1 OF II (continued)

 What is its height? 	•
 Are any openings greater than 4 in. in any 	26. SIGNS: The following signs will be posted
dimension?	at spa side:
 Does the gate have a self-closing self- 	Spa Caution Sign
latching lock?	Artificial Respiration
22. EQUIPMENT ROOM:	Emergency Phone Numbers
 The floor is made of 	Spa Occupancy Capacity
 Is there easy access to all equipment and 	No Lifeguard on Duty
gauges?	Emergency Shut Off Switch
Have provisions been made for a back	27. SAFETY EQUIPMENT:
wash sight glass?	Emergency Shutoff switch with
 Is floor sloped ¼"/ft. to a drain? 	restart on timer
23. DRESSING ROOM/TOILET/SHOWER:	• First aid kit
 Straight line distance from these facilities 	Test kit (pH, free chlorine &
to farthest point of the farthest living unit	cyanuric acid)
ft.	26. BACKWASH: (For D.E. and Sand Filter
 Are public showers, toilets and dressing 	Systems)
rooms provided?	Separation tank Yes No
Total # of bathers is	Make/model
 Is one shower per 50 bathers provided? 	Make/model sq. ft. of filter area
 Is one lavatory per 80 bathers provided? 	Wastewater from the separation tank canno
Separate toilet facilities for men and women	be returned to the spa.
are provided as follows:	Air gap filter backwash to public sewer
# of women toilets	Yes No
# of men toilets	Backwash receptacle size p-trap size
# of men urinals	·
# of women showers	Backwash valve Yes No
# of men showers	size Make/Model
# of women lavatories	Backwash water goes to
# of men lavatories	27. When emptied, spa water goes to
Hot water max. temp. is °F.	
24. DRESSING ROOM/TOILET/SHOWER FLOOR	28. HEATER: (Provide spec sheet)
PLAN REQUIREMENTS:	Manufacturer
 Dressing room/toilet/shower floor plan 	Model
provided	 Connection pipe size in.
 Room finish schedule provided 	 Max. flow
Wall material	 Internal bypass valve Yes No
 Floor material, floor must be coved 	 External bypass valve Yes No
Ceiling material	Size of bypass in.
 Samples of flooring and wainscot materials 	29. Recirculation Pipe Size
are provided	
 Hot & cold running water to each faucet 	
Hot water must reach 110 °F minimum	
25. HOSE BIBBS/DRINKING FOUNTAIN:	
Has a hose bibb been provided that is	
located so that all portions of the deck can	
be reached with 75 ft. of hose?	
There is/are drinking fountain(s).	
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SPA DATA - Part I of II (continued) ANSWER THE FOLLOWING QUESTIONS WHERE APPLICABLE AND CHECK THE APPROPRIATE BOX(s):

DO THE FOLLOWING CALCULATIONS; SHOW ALL WORK; ATTACH SEPARATE PAGE AS NEEDED:

	GALLONAGE CALCULATION: length (ft) x width (ft) x average depth (ft) x (times) 7.5 gal/ft³ = # of gallons Answer: gal.		 Cartridge: 0.375 gpm/ft² gpm (pump curve) +25% 0.375 ft.² filter required (answer)
c	For Round Spas: 3.14 x R ² (ft) x average depth (ft) x 7.5 gal/ft ³ = # of gallons Answer: gal.	٧.	SKIMMER CALCULATIONS: 1 Skimmer/500 ft² surface area
III. T	gpm from pump curve at ft. of head 60 ft. of head for pressure D.E., high rate sand & cartridges 45 ft. of head for rapid sand 40 ft. of head for vacuum D.E. FURNOVER CALCULATIONS: Pump must provide a complete turnover of spa water in 30 minute period. Gallons in spa = min. gpm of pump 30 min.		ft² (pool surface) 500 ft²/skimmer = (# of skimmers) gpm (pump curve) x .75 = gpm from skimmer note: if answer is >40 gpm, additional skimmer required
•	=ft.² filter required (answer) High Rate Sand: 15 gpm/ft² gpm (pump curve) +25% 15 gmp/ft² = ft.² filter required (answer)		

PART II OF II

ANSWER THE FOLLOWING QUESTIONS:

3103B	#1	Spa is not over 4 feet in depth. Yes No Show on plans
3106B	#2	Spa to be finished in white or in a light pastel color approved by the Environmental Health Service. Yes No Note on plans
3106B	#3	Spa pool bench and step edges have contrasting colors. Yes No Note on plans
3106B	#4	Spa has benches, depth of water over bench not exceeding 24 inches. Yes No Show on plans
3109B	#5	There can be no designs resembling a human form on the walls or bottom of the spa. Are any graphics planned on the interior finish? Yes Show on plans No
3109B	#6	Minimum of two depth markers at least 3 in. in height, of contrasting color, made of durable material that resists weathering (slip resistant if located on the deck). Also, the abbreviation "Ft" (3 inches in height) must appear after each depth marker. Yes Show on plans
3110B	#7	 Spa: (circle letter which applies) Has 12 inch riser and requires 2 handrails Has 9 inch riser and requires 1 handrail Leading railing edge extends to a point not less than 12 inches from plane of bottom riser.
3111B	#8	Handholds will be installed. They will be located not more than 9 inches above water level. Yes Show or note on plans
3111B	#9	Handholds are bullnosed coping or cantilevered decking that is not over 2 ½ inches thick (overhang shall not exceed 2 inches nor be less than 1 inch). Yes No Show or note on plans
3111B	#10	Handholds other than the above are to be installed. Yes Not Applicable Show or note on plans
3111B	#11	The deck is made of concrete or similar material and is slip-resistant and non-abrasive. Yes Note on plans
3113B	#12	Spa: The deck is 4 feet wide and extends at least 50% or more around the spa. It is made of Yes Show or note on plans
3113B	#13	The deck width separating the spa from any adjacent pool or spa is 6 ft. or greater. Yes Not Applicable Show or note on plans

3113B	#14	The deck has a minimum slope of ¼ in. per ft. to deck drains and doesn't drain into spa. Yes Show or note on plans
3113B	#15	Spa: Landscape planters, flowerbed or similar unpaved areas adjacent to the spa are located 4 feet or more away from spa. Yes No Not Applicable Show or note on plans
3115B	#16	Public showers, toilets and dressing rooms will be provided. Yes No Show on plans
3115B	#17	Adjacent living facilities or accommodations are to be used (300 ft. or less). Yes No Show on plans
3116B	#18	There is 1 drinking fountain for first 250 bathers and 1 for each 200 thereafter (exception: when drinking water is available in living quarters or clubhouse). Yes No Show on plans
3117B	#19	Hose bibb available so that all portions of deck can be reached with 75 ft. hose. Yes No Show on plans
3119B & 116045	#20	The following signs will be posted in a conspicuous place at the spa and required information added (circle letters which apply): a. Occupant Load sign (4 inch letters) b. Spa Caution Sign. (The word caution shall be in 4 inch letters) c. Emergency Phone Number sign d. Artificial Respiration Procedures sign e. Warning – No Lifeguard on Duty sigh (4 inch letters) f. Emergency Shutoff Switch Sign (1 inch letters) Yes Show on plans
3120B	#21	Spa is located indoors and is ventilated according to Section 605 of the Uniform Building Code. Yes Not Applicable Show or note on plans
3121B	#22	Spa equipment room is mounted on a Portland cement concrete or similar floor material and slopes ¼ in./ft. to floor drain. Yes No Show or note on plans
3123B	#23	Recirculation system: (Answer a-j) a. Discharge flow velocity does not exceed 10 ft./second on inlet piping and 8 ft./second on suction pipe YesNo Note on plans b. All filters, valves, pumps, strainers and equipment requiring adjustments are readily accessible for repair and replacement YesNo Note on plans c. Pressure gauge on influent and effluent lines YesNo Show on plans

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		d. Flowmeter
		Yes No Show on plans e. Vacuum gauge on suction type filters
		Yes No Not Applicable Show on plans
		f. Spa: Two spas are on one recirculation system with individually metered and
		adjustable flow and chlorination
		Yes No Not Applicable Show on plans
		g. Hair and lint strainer is provided on the suction side of the recirculation pump
		Yes No Show or note on plans
		h. Hair & lint strainer is integral with recirculation pump. Yes No
		i. Backwash piping and valves to be installed. The backwash will go to
		Yes No Not Applicable Show or note on plans
		j. Valves area easily accessible and not located under decking. They are marked
		for identification.
		Yes No Show or note on plans
3126B	#24	The recirculation pump capacity is designed at which of the following heads? (please
		circle the letter) a. Pressure D.E. – 60 ft. head
		b. Vacuum D.F. – 40 ft. head
		c. Rapid Sand – 45 ft. head
		d. Hi rate sand – 60 ft. head
		e. Cartridge filter – min 60 ft. head
	"	
3127B	#25	Spa refill inlets not less than 1 inch or less than 2 pipe diameters above overflow rim for air-
		gap separation. Yes No Not Applicable Show or note on plans
		rec recreptions of new or new on plane
3127B	#26	Spa refill inlet is protected with a backflow prevention device.
		Yes No Not Applicable Show or note on plans
04000	1107	
3129B	#27	A rapid sand filter is being installed. If filtration rate does not exceed 3 gpm/sq. ft.
		Backwash is not less that 12 gpm/sq. ft. of filter area. YesNot Applicable Show & note on plans
		Tot Applicable Office of plans
3130B	#28	A diatomaceous earth filter is being installed. If filtration rate does not exceed 2 gpm /sq. ft.
		or 2 ½ gpm for continuous feeding for filter aid for pools 2000 sq. ft. or more.
		Yes Not Applicable Show & note on plans
04045	//00	
3131B	#29	A high rate sand filter is being installed. If filtration rate does not exceed 15 gpm/sq. ft.; its
		backwash minimum is 15 gpm/sq. ft. Yes Not Applicable Show & note on plans
		Tes Not Applicable Office of plans
3131B	#30	A cartridge filter is being installed. If filtration rate does not exceed 0.375 gpm/sq. ft.
		Yes Not Applicable Show & note on plans
3132B	#31	The chemical feeders comply with Section 3132B.
		Yes Not Applicable Note on plans

3133B	#32	The disinfectant feeders comply with Section 3133B.		
		Yes Not Applicable Note on plans		
3134B	#33	Skimmora: (aurina area loss than 250 ar. ft.) (Anguera ar. if a utility)		
31345	#33	Skimmers: (surface area less than 250 sq. ft.) (Answer a-e if applicable) a. Minimum one skimmer is provided and capable of withdrawing 75% of required		
		recirculation capacity		
		Yes No Show & note on plans		
		b. Skimmer is built-in type, recessed into spa wall, individually adjustable for rate of		
		flow, automatically adjusts to variations in spa level within 4 inches, has a		
		removable and cleanable screen or basket, and is provided with an air lock protective		
		device to prevent air leakage into recirculation system		
		Yes No Show & note on plans		
		c. Skimmer located in relation to spa inlets so as to aid recirculation and skimming		
		Yes No Show on plans		
		d. Skimmer flow rate does not exceed 40 gpm (if exceeds 40 gpm, then need 2		
		skimmers)		
		e. Anti-hair catching equalizer line covers provided		
		Yes No Note on plans		
3134B	#34	Bottom Drains:		
&		Spa can be drained through bottom drains. It goes to		
3108B		Yes Note on plans		
		b. They are covered by a protective cover whose opening does not exceed ½ inch in its		
		smaller dimension		
		Yes Show or note on plans c. Grates removable only with tools		
		Yes Note on plans		
		d. Must have 2 main drains with at least 2 feet of separation to prevent a suction		
		hazard. The jet system must have separate duplicate bottom drains.		
		YesNo Note on plans		
		•		
3134B	#35	Return Inlets:		
		a. Minimum of one provided		
		 Yes Show on plans Inlets do not protrude greater than 1 ¼ inch into spa and are rounded or smooth 		
		b. Inlets do not protrude greater than 1 ¼ inch into spa and are rounded or smooth Yes No Show or note on plans		
		c. Inlets are separated by at least 10 ft. and are located so as to ensure uniform		
ŀ		circulation		
		Yes No Show or note on plans		
-		d. Provisions have been made for adjusting the volume and direction of flow from		
		the wall inlets		
		YesNo Show or note on plans		
24250	#20			
3135B	#36	The aeration and/or jet system is completely separate from its filtration system and not		
		interconnected with any non-spa pool Yes Show or note on plans		
		163 Onlow of note oil plans		

3137B	#37	Waste Disposal:		
		a. The backwash goes to(septic systems not allowed)		
ļ		b. If D.E. filter, there is a receiving chamber, e.g. floor sink, which catches waste		
		D.E.		
		Yes No Not Applicable Show on plans		
		c. Sumps and drain piping have sufficient capacity to receive spa system		
	İ .	backwash without overflowing the sump receiver		
		Yes No Not Applicable Note on plans		
		d. A sight glass on waste discharge line from filter provided. Exception: air gap		
		visible to operator during backwash operation		
•		Yes No Not Applicable Show or note on plans		
		e. There is no direct connection of the spa or its recirculation system with the sanitary		
		sewer or drainage system		
		Yes No Show or note on plans		
3-680-6	#38	Electrical Requirements:		
		a. Electrical receptacles are located at least 10 ft. from the inside walls of the spa		
		Yes No Not Applicable Note on plans		
		b. Electrical receptacles located within 15 ft. of the inside walls are protected by		
		ground-fault circuit interrupter		
		Yes No Note on plans		
		c. A receptacle that provides power to permanently installed spa recirculating pump		
		motor is located between 5 and 10 ft. from the inside wall of a pool or spa but is a		
		single, locking grounding type.		
		Yes No Not Applicable Note on plans		
		d. A clearly labeled emergency shut off switch for control of both the recirculating		
		system and the aeration and/or jet system is located <u>within 5 feet</u> of the spa. Yes No Show on plans		
		e. Underwater lighting and area lighting is provided. It meets all electrical		
		provisions of Article #680 of the <u>National Electrical Code</u> .		
		Yes No Show or note on plans		
		100 Onow of note on plans		
	#39	Have provisions for accessibility to the physically handicapped been made.		
		Yes Show on plans		
3118B	#40	Fencing and gates at least 5 ft. in height enclose spa. No opening greater than 4 inches in		
		any dimension exists.		
		YesNot Applicable Show on plans		
3118B	#41	Gate is equipped with self-closing and self latching-device located 3 ½ ft. or higher above		
		deck.		
		Yes Not Applicable Show on plans		
•				
3118B	#42	The bottom of the enclosure is within 2 inches of the finished grade.		
		Yes Show on plans		
3118B	#43	Any horizontal bars are spaced a minimum of 48" apart.		
	-	Yes Show on plans		
				

Contractor/Designer Signature	License Number	Date
Plans checked by	Approved Yes No	Date